

Design Requirements For The Residential Code of New York State City of Yonkers

**Table R 301.2(1)
Climatic and Geographic Design Criteria**

Ground Snow Load ¹ (psf)	Wind	Seismic Design Category ^g	Subject to Damage From: ^{1,2}				Winter Design Temp. ^f	Ice Shield Underlayment Required	Flood Hazards ^h
	Speed ^e (MPH)		Weathering ^a	Frost Line Depth ^b	Termite ^c	Decay ^d			
45	100-110	C	Severe	3'-6"	Moderate to Heavy	Slight to Moderate	7	Yes	(a.) 7/09/1980 (b.) 4/11/2000 for FIRM map dated 1/21/1998

For SI: 1 pound per square foot=0.0479kN/m², 1 mile per hour = 1.609km/h.

- a. Weathering may require a higher strength concrete or grade of masonry than necessary to satisfy the structural requirements of this code. The weathering column shall be filled in with the weathering index (i.e., "negligible," "moderate" or "severe") for concrete as determined from the Weather Probability Map[Figure R 301.2(3)]. The grade of masonry units shall be determined from ASTM C34, c55, c62, c73, c90, c129, c216, or c652,
- b. The frost line depth may require deeper footings than indicated in Figure R 403.1(1). The Jurisdiction shall fill in the frost line depth column with the minimum depth of footing below finish grade,
- c. The Jurisdiction shall fill in this part of the table with "very heavy," "moderate to heavy," or "none to slight" in accordance with Figure R 301.2(6) depending on whether there has been a history of local damage,
- d. The jurisdiction shall fill in this part of the table with "moderate to severe," "slight to moderate," or "none to slight" in accordance with Figure R301.2(7) depending whether there has been a history of local damage,
- e. The jurisdiction shall fill in this part of the table with the wind speed from the basic wind speed map [Figure R 301.2(4)]. Wind exposure category shall be determined on a site-specific basis in accordance with Section R 301.2.1.4. {The Special Wind Region should serve as a warning to the design professional in evaluation wind loading conditions},
- f. Refer to Table N1101.2, "Winter Design Dry-bulb Temperature" column,
- g. The jurisdiction shall fill in this part of the table with the Seismic Design Category Determined from Section R 301.2.2.1,
- h. The jurisdiction shall fill in this part of the table with (a) the date of the jurisdiction's entry into the National Flood Insurance Program (date of adoption of the first code or ordinance for management of flood hazard areas), (b) the date(s) of the currently effective FIRM and FBFM, or other flood hazard map adopted by the community, as may be amended. {City of Yonkers originally adopted Flood regulations on 7/9/1980 with GO # 5-1980; amended 4/11/2000 with LL # 2-2000}.
- i. See Figure R 301.2(5) for ground snow loads.